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L1	6844148	4	L1

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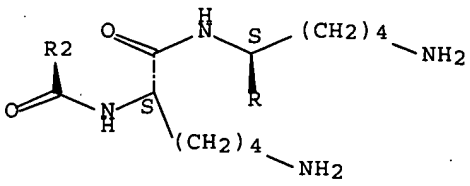

L22 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4
ACCESSION NUMBER: 2003:949917 CAPLUS Full-text
DOCUMENT NUMBER: 140:24832
TITLE: Purification, cloning and sequences of human and murine β-secretase and applications in diagnostics and treatment of Alzheimer's disease
INVENTOR(S): Anderson, John P.; Basi, Guriqbal; Doane, Minh Tam; Frigon, Normand; John, Varghese; Power, Michael; Sinha, Sukanto; Tatsuno, Gwen; Tung, Jay; Wang, Shuwen; Mcconlogue, Lisa
PATENT ASSIGNEE(S): Elan Pharmaceuticals Inc, USA
SOURCE: Brit. UK Pat. Appl., 121 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2389182	A1	20031203	GB 2003-18113	20000210
GB 2389182	B2	20040204		
GB 2364059	A1	20020116	GB 2001-21314	20000210
GB 2364059	B2	20040114		
EP 1445263	A1	20040811	EP 2004-6991	20000210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
US 6627739	B1	20030930	US 2000-724566	20001128
US 7067271	B1	20060627	US 2000-724571	20001128
US 7109017	B1	20060919	US 2000-724569	20001128
US 7115410	B1	20061003	US 2000-723722	20001128
HK 1062377	A1	20050324	HK 2004-104024	20020618
HK 1062474	A1	20050324	HK 2004-104025	20020618
HK 1062445	A1	20050324	HK 2004-104027	20020618
AU 2004203403	A1	20040819	AU 2004-203403	20040726
US 2005170489	A1	20050804	US 2005-69377	20050228
US 2005164327	A1	20050728	US 2005-89918	20050325
US 2005164294	A1	20050728	US 2005-90866	20050325
US 2005177888	A1	20050811	US 2005-90872	20050325
US 2005196839	A1	20050908	US 2005-90399	20050325

PRIORITY APPLN. INFO.:

US 1999-119571P	P	19990210
US 1999-139172P	P	19990615
GB 2001-21314	A3	20000210
US 1999-139712P	P	19990617
US 1999-471669	A2	19991224
AU 2000-40009	A3	20000210
EP 2000-919298	A3	20000210
US 2000-501708	A1	20000210

WO 2000-US3819 W 20000210 ← check
US 2000-723722 A1 20001128
HK 2002-104530 A 20020618

ED Entered STN: 05 Dec 2003

AB The invention provides a method of purifying β-secretase, comprising contacting an impure sample comprising β-secretase activity with an affinity matrix which includes a β-secretase inhibitor. In a preferred embodiment, the inhibitor comprises a peptide having the sequence VMXVAEF, wherein X is hydroxyethylene or statine, β-secretase gene isolated from a mouse, and a β-secretase protein purified to apparent homogeneity is disclosed. In a number of alternative embodiments, the human β-secretase sequence, methods of screening and use thereon inhibitors thereof, a mouse β-secretase gene sequence and a knock-out mouse deleted for the endogenous β-secretase gene are disclosed. The β-secretase inhibitors of the invention can be used for the treatment of Alzheimer's disease.

IT **288310-82-7**
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(purification, cloning and sequences of human and murine β-secretase and applications in diagnostics and treatment of Alzheimer's disease)

RN 288310-82-7 CAPLUS

CN L-Phenylalanine, L-seryl-L-α-glutamyl-L-valyl-L-asparaginyl-L-leucyl-L-alanyl-L-alanyl-L-α-glutamyl- (9CI) (CA INDEX NAME)

NL - AA
Asn-Leu-Ala-Ala

Absolute stereochemistry.

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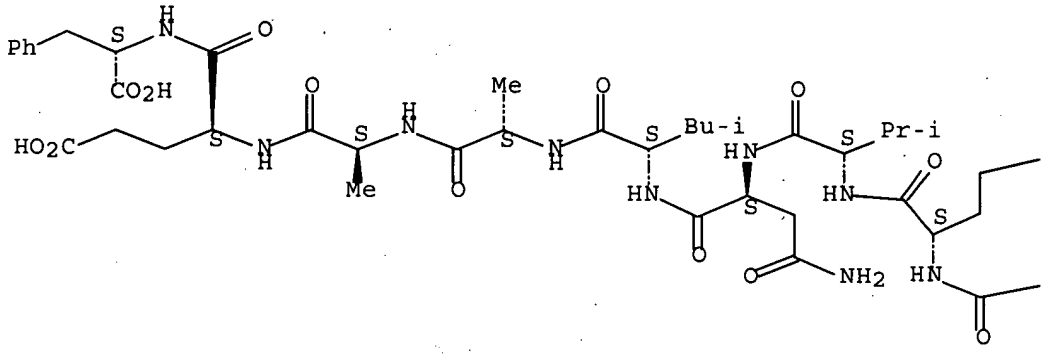

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